

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	53958	((("175") or ("166")).CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/11/13 14:30
S2	11	((("175"/\$) or ("166"/\$)).CCLS.) and (jar with housing with mandrel with coupl\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/11/13 14:48
S3	4	((("5086853") or ("4508174"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/11/13 14:50
S4	232	(166/178).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/11/13 15:17
S5	11	("Re28768" "0046815" "0051136" "1214622" "1450024" "2305261" "2628820" "2739654" "3054454" "3358765" "4427064").PN.	USPAT	OR	ON	2002/11/13 15:24
S6	6	"4736797".URPN.	USPAT	OR	ON	2002/11/13 15:27
S7	5	("2706616" "2847655" "3817345" "4245313" "4319240").PN.	USPAT	OR	ON	2002/11/14 08:33
S8	10	"2706616".URPN.	USPAT	OR	ON	2002/11/14 08:47
S9	4	"4416494".URPN.	USPAT	OR	ON	2002/11/14 08:52
S10	8	("4648444" "4685516" "4697641" "4706744" "4736797" "4753291" "4759406" "4776393").PN.	USPAT	OR	ON	2002/11/14 08:57
S11	6	"5109921".URPN.	USPAT	OR	ON	2002/11/14 09:01
S12	6	("2187007" "2620029" "3024844" "3957118" "4098342" "4624308").PN.	USPAT	OR	ON	2002/11/14 09:06
S13	9	"4706744".URPN.	USPAT	OR	ON	2002/11/14 09:10
S14	0	"081961"	US-PGPUB	OR	ON	2002/11/26 13:55
S15	181	(((((("175"/\$) or ("166"/\$)).CCLS.) and jar) and housing and mandrel and coupl\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/11/26 13:55

S16	0	(((((("175"/\$) or ("166"/\$)).CCLS.) and jar) and housing and mandrel and coupl\$3) and vibrator	US-PGPUB	OR	ON	2002/11/26 13:56
S17	0	(((((("175"/\$) or ("166"/\$)).CCLS.) and jar) and housing and mandrel and coupl\$3) and (drilling adj hammer)	US-PGPUB	OR	ON	2002/11/26 13:56
S18	937	(((((("175"/\$) or ("166"/\$)).CCLS.) and jar	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/11/26 14:24
S19	0	(((((("175"/\$) or ("166"/\$)).CCLS.) and jar) and vibrator	US-PGPUB	OR	ON	2002/11/26 13:56
S20	0	(((((("175"/\$) or ("166"/\$)).CCLS.) and jar) and (drilling adj hammer)	US-PGPUB	OR	ON	2002/11/26 13:56
S21	1	(((((("175"/\$) or ("166"/\$)).CCLS.) and jar) and housing and mandrel and coupl\$3) and vibrator	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/11/26 14:13
S22	0	(((((("175"/\$) or ("166"/\$)).CCLS.) and jar) and housing and mandrel and coupl\$3) and (drilling adj hammer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/11/26 14:19
S23	10	(((((("175"/\$) or ("166"/\$)).CCLS.) and jar) and vibrator	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/11/26 14:24
S24	1	(((((("175"/\$) or ("166"/\$)).CCLS.) and jar) and (drilling adj hammer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/11/26 14:20
S25	0	(((((("175"/\$) or ("166"/\$)).CCLS.) and ((drill adj bit) near5 vibrator)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/11/26 14:26
S26	1	(((((("175"/\$) or ("166"/\$)).CCLS.) and ((drill adj bit) near10 vibrator)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/11/26 14:25
S27	35	(((((("175"/\$) or ("166"/\$)).CCLS.) and (drilling adj hammer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/11/26 14:27
S28	3	(((((("175"/\$) or ("166"/\$)).CCLS.) and (jar near5 actuator)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/11/26 15:05

S29	0	((("175"/\$) or ("166"/\$)).CCLS.) and jar and (free near5 striking near5 range)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/11/26 15:06
S30	1	((("175"/\$) or ("166"/\$)).CCLS.) and (jar near5 orifice near5 (open closed))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/11/26 15:06
S31	158	(175/297).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/11/27 07:39
S32	126	(175/55).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/11/27 07:39
S33	226	(175/92).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/11/27 07:41
S34	234	(175/293).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/11/27 07:42
S35	383	(175/73).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/11/27 07:43
S36	265	(166/301).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/11/27 07:43
S37	0	(downhole adj tool) near5 housing near5 mandrel near5 actuat\$3 near5 (signal power)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/02/25 10:27
S38	0	(downhole adj tool) near5 housing near5 mandrel near5 (signal power)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/02/25 10:28
S39	1	(downhole adj tool) near10 housing near10 mandrel near10 (signal power)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/02/25 10:28

S40	0	jar near5 housing near5 mandrel near5 (signal power)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/02/25 10:28
S41	1	jar near10 housing near10 mandrel near10 (signal power)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/02/25 10:28
S42	10	jar same housing same mandrel same (signal power)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/02/25 10:28
S43	7	((("175"/\$) or ("166"/\$)).CCLS.) and (jar near5 electric)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/02 13:19
S44	4	((166/178).CCLS.) and (166/65.1 166/66 166/66.4-66.7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/02/25 10:34
S45	0	((("175"/\$) or ("166"/\$)).CCLS.) and (electr\$4 adj jar)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/02/25 10:35
S46	8	((("2153883") or ("3191677") or ("3424244") or ("3528498") or ("3616868") or ("4890682") or ("6029748") or ("6112818")).PN.	USPAT; USOCR	OR	OFF	2004/06/02 15:09
S47	2	("6290004").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/06/16 09:18
S48	2	("6655460").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/02 09:50
S49	0	(control\$4 near3 drill\$3) with (electric\$3 near3 transmit\$4 near3 (tubular tubing pipe string casing)) with (tool valve)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/02 13:21
S50	1	(control\$4 near3 drill\$3) same (electric\$3 near3 transmit\$4 near3 (tubular tubing pipe string casing)) same (tool valve)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/02 14:43
S51	17	(control\$4 near3 drill\$3) and (electric\$3 near3 transmit\$4 near3 (tubular tubing pipe string casing)) and (tool valve)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/02 13:26

S52	1	(control\$4 near3 drill\$3) same (electric\$3 near3 transmit\$4 near3 (tubular tubing pipe string casing))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/02 14:43
S53	20	(control\$4 near3 drill\$3) and (electric\$3 near3 transmit\$4 near3 (tubular tubing pipe string casing))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/02 14:50
S54	2	(control\$4 near3 drill\$3) and (electric\$3 near3 transmit\$4 near3 (tubular tubing pipe string casing)) and jar\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/02 14:51
S55	36	(solenoid near3 valve) with jar\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/02 15:11
S56	84	(solenoid near3 valve) same jar\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/02 15:19
S57	2	('4796708').PN	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/02 15:19
S58	201	(175/104).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/03 07:50
S59	887	(175/61).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/03 07:50
S60	570	(175/57).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/03 07:50
S61	10	((175/104).CCLS.) and ((175/57). CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/03 07:52
S62	7	((175/104).CCLS.) and ((175/61). CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/03 07:52

S63	8	("4140044" "4291773" "5085400" "5330100" "5372196" "5501425" "5877432" "6263986").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/12 08:48
S64	0	("6729419").URPN.	USPAT	OR	ON	2005/01/12 08:50
S65	111	("0749633" "20020135179" "20020193004" "20030070842" "2178931" "2301783" "2354887" "2379800" "2414719" "2659773" "2662123" "2974303" "3079549" "3090031" "3186222" "3194886" "3209323" "3227973" "3518608" "3696332" "3793632" "3807502" "3879097" "3930220" "3957118" "3989330" "4012092" "4087781" "4095865" "4121193" "4126848" "4215426" "4220381" "4348672" "4445734" "4537457" "4578675" "4605268" "4660910" "4683944" "4698631" "4722402" "4785247" "4788544" "4806928" "4884071" "4901069" "4914433" "4924949" "5008664" "5052941" "5148408" "5223826" "5248857" "5278550" "5302138" "5332049" "5334801" "5371496" "5454605" "5455573" "5505502" "5517843" "5521592" "5568448" "5650983" "5691712" "5743301" "5810401" "5833490" "5853199" "5856710" "5898408" "5908212" "5924499" "5942990" "5955966" "5959547" "5971072" "6030004" "6041872" "6045165" "6046685" "6057784" "6104707" "6108268" "6123561" "6141763" "6173334" "6177882" "6188223" "6196335" "6367565" "6392317" "RE35790").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/12 08:50

S66	4	("5798488" "5803186" "5852587" "5883516").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/12 09:04
S67	5	("6367565").URPN.	USPAT	OR	ON	2005/01/12 09:06

S68	170	("2093794" "2499695" "2551868" "2659576" "2706616" "2801595" "2915289" "2989132" "3145787" "3208541" "3233690" "3251426" "3268003" "3285353" "3307636" "3316986" "3342266" "3343606" "3349858" "3360060" "3361220" "3371730" "3380247" "3385384" "3392795" "3399740" "3399741" "3406770" "3417822" "3429389" "3446283" "3461962" "3539025" "3562807" "3566981" "3642069" "3648786" "3651867" "3658140" "3660990" "3684042" "3685598" "3685599" "3709478" "3716109" "3724576" "3727685" "3729058" "3735827" "3768932" "3797591" "3800876" "3804185" "3834471" "3837414" "3853187" "3860076" "3877530" "3880249" "3889766" "3942373" "3949821" "3955634" "3963081" "3987858" "3994163" "4004643" "4007798" "4023630" "4036312" "4059167" "4081043" "4098338" "4105070" "4105082" "4109736" "4111271" "4113038" "4124245" "4142597" "4179002" "4181186" "4186807" "4210214" "4211293" "4226289" "4230197" "4241797" "4281726" "4284153" "4333542" "4341272" "4346770" "4361195" "4376468" "4394883" "4494615" "4498548" "4566546" "4582148" "4607692" "4646830" "4688649" "4736797" "4806928" "4865125" "4919219" "4923373" "5007479" "5022473" "5069282" "5085479" "5086855" "5103908" "5123493" "5138211" "5170843" "5217070"	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/12 09:11
Search History 1/12/05 10:48:50 AM 5103908 C:\APPS\east\workspaces\09976845 and 18725124.wsp						

S69	2	("6481495").URPN.	USPAT	OR	ON	2005/01/12 09:12
S70	776	(175/40).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/12 09:22
S71	37	signal with transduc\$3 with MWD	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/12 09:22